

Title (en)

INTEGRATED OPTICAL WAVEGUIDES FOR MICROFLUIDIC ANALYSIS SYSTEMS

Title (de)

INTEGRIERTE OPTISCHE WELLENLEITER FÜR MIKROFLUIDISCHE ANALYSENSYSTEME

Title (fr)

GUIDES D'ONDES OPTIQUES INTEGRES POUR SYSTEMES D'ANALYSE MICROFLUIDIQUES

Publication

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Application

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Priority

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- EP 0105843 W 20010522

Abstract (en)

[origin: DE10029946A1] A micro-structured, miniaturized planar analytical unit contains an integral polymer optical waveguide (1). An Independent claim is included for the production of the above unit, in which suitable components are manufactured using a polymer basis. Polymer optical waveguides are integrated into one or more components. The components are assembled to form the analysis unit.

IPC 1-7

G01N 21/64; **B01L 3/00**; **G01N 21/59**; **G01N 21/01**; **G01N 21/05**; **G01N 27/447**

IPC 8 full level

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CPC (source: EP US)

B01L 3/502707 (2013.01 - EP US); **B01L 3/502715** (2013.01 - EP US); **G01N 27/44721** (2013.01 - EP US); **G01N 27/44791** (2013.01 - EP US); **G02B 6/138** (2013.01 - EP US); **B01L 2300/0645** (2013.01 - EP US); **B01L 2300/0654** (2013.01 - EP US); **B01L 2300/0825** (2013.01 - EP US); **B01L 2300/0887** (2013.01 - EP US); **B01L 2400/0415** (2013.01 - EP US); **G02B 2006/12069** (2013.01 - EP US); **G02B 2006/12071** (2013.01 - EP US); **G02B 2006/12121** (2013.01 - EP US); **G02B 2006/12123** (2013.01 - EP US); **G02B 2006/12138** (2013.01 - EP US)

Citation (search report)

See references of WO 0198759A1

Cited by

DE102012103628A1; DE102012103628B4; US9212999B2

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